EXHIBIT 4

FILED UNDER SEAL

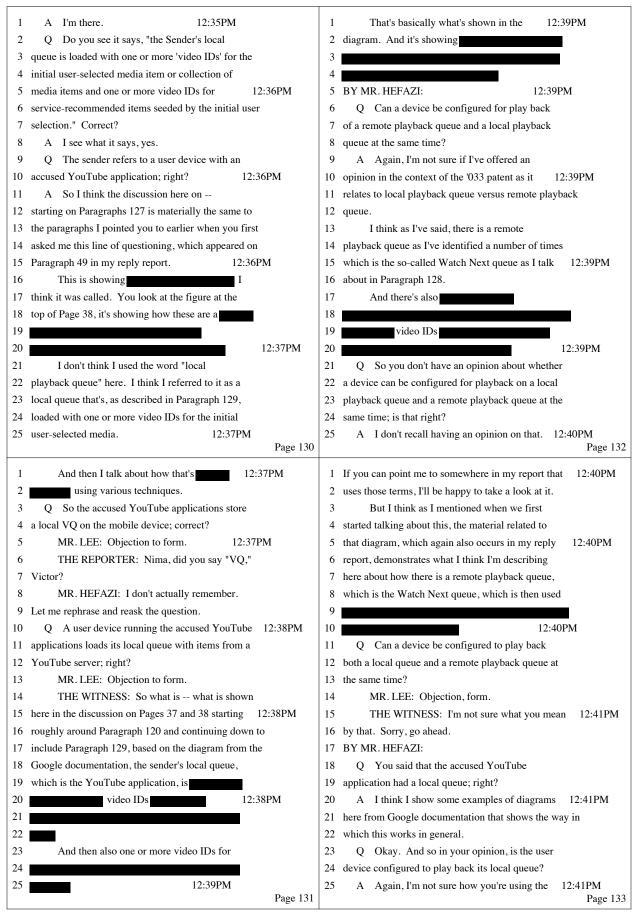
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1	UNITED STATES DISTRICT COURT
2	FOR THE NORTHERN DISTRICT OF CALIFORNIA
3	x
	SONOS, INC.,
4	
_	Plaintiff,
5	vs. Case No. 3:21-CV-07559-WHA
6	GOOGLE LLC,
-	Defendant.
7	X
8	-AND-
9 10	UNITED STATES DISTRICT COURT
11	FOR THE NORTHERN DISTRICT OF CALIFORNIA
12	X
13	GOOGLE LLC,
14	Plaintiff,
15	vs. Case No. 3:20-CV-06754-WHA
16	SONOS, INC.,
	Defendant.
17	x
18	*HIGHLY CONFIDENTIAL - ATTORNEYS' EYES ONLY*
19	
20	REMOTE VIDEOTAPED DEPOSITION BY VIRTUAL ZOOM OF
21	DOUGLAS SCHMIDT
22	Thursday, February 2, 2023
23	
24	Reported By: Lynne Ledanois, CSR 6811
25	Job No. 5686109
	Page 1

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1	A Let's see. The devices that I tested for 12:22PM	1	provided by a cloud-based computing system 12:26PM
2	this the tests that I mention here were the ones	2	associated with a cloud-based media service'."
3	that are described in the Section 9 entitled "Overview	3	Do you see that?
4	of Testing" appearing towards the bottom of Page 31.	4	A I do.
5	Q Okay. And it's your opinion that you 12:23PM	5	Q Is that still your opinion? 12:26PM
	don't need to test every one of the accused devices	6	A I believe so. I talk about that in more
7	in order to provide an infringement opinion; is that	7	detail in hold on a second. I show other examples
8	right?	8	of this in other parts of my other reports.
9	A Let's see where I say that. I'm not sure if	9	Q But I guess my question: So that's still
10	I say that but 12:23PM	10	your opinion, though; right? 12:26PM
11	Q I'm just asking for your opinion.	11	A Right. As I say, in my reply report in
12	Do you need to test every single accused	12	Paragraph 49 I show some a nice example of this
13	device in order to render an opinion regarding the	13	where there is a sort of a projection or subset or
14	infringement or non-infringement of the accused	14	window of sections of the Watch Next queue which is
15	YouTube application? 12:23PM	15	available on the YouTube Sender, but that's just a 12:27PM
16	A So based on the material in Paragraph 110	16	projection from the actual Watch Next queue that I
17	that we talked about before, it's my understanding,	17	reference in other parts of my report referring to the
18	based on the documents I reviewed, the testimony that	18	remote playback queue.
19	I read from various Google witnesses in this case that	19	Q Can a device that stores a local playback
20	there is no relevant functionality of the no 12:24PM	20	queue also be configured for a playback of a remote 12:27PM
21	relevant functional differences between the different	21	playback queue?
22	OS versions and there's also no relevant differences	22	MR. LEE: Objection, form.
23	between the functionality of the accused casting and	23	THE WITNESS: I'm not sure what you mean.
24	stream transfer technologies within the period that we	24	BY MR. HEFAZI:
25	were discussing here, which was September 2020. 12:24PM Page 122	25	Q So if a user device stores a local 12:27PM Page 124
1	So based on that, I have not seen Google 12:24PM	1	playback queue, can it also be configured for 12:27PM
2	claim that there's differences between the different	2	playback of a remote playback queue?
3	devices, so I don't believe that I would have to	3	MR. LEE: Same objection.
4	test each and every one of them in order to find the	4	THE WITNESS: Well, again, I think that
5	same behavior. 12:24PM	5	that is I think that's explained or shown in more 12:27PM
6	Q Okay.	6	detail on Paragraph 49 in my reply report which
7	A Relative to the infringement claims that are	7	demonstrates a scenario where
8	at issue in this case. There could be other	8	
9	differences that are unrelated to the infringement	9	
10	claims. 12:25PM	10	12:28PM
11	Q Okay. Let's go back to opening report	11	
12	your opening report.	12	
13	A Okay.	13	
14	Q If you this is Exhibit 2. If you can	14	And the diagram there basically shows I
15	go to Paragraph 480. 12:25PM	15	think as an example where 12:28PM
16	A I'm there.	16	
17	Q You say in this paragraph, I'm looking at	17	
18	the third sentence, "just because a sender device	18	
19	might maintain a local copy of a queue does not	19	
20	necessarily mean that there is not also" sorry, 12:25PM	20	12:29PM
21	strike that. Let me read this again.	21	
	_		
22	You say in Paragraph 480 of your opening	22	
22 23	You say in Paragraph 480 of your opening report, "just because a sender device might maintain	22	
			BY MR. HEFAZI:

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	showdown, the court disagreed with your 12:52PM	1	report, the opening report covers them. 12:55PM
2	interpretation of the term "playback queue" and your	2	And at the time of the opening report, I
3	infringement opinions?	3	was not really aware that Dr. B was going to try to
4	A So it's my understanding that there is a	4	come up with different interpretations of playback
5	court order that's at issue in the '033 patent, which 12:52PM	5	queue that were inconsistent with the court's order. 12:56PM
6	is what I've referred to a couple of times, about what	6	So when I discovered that after reading
7	constitutes a playback queue.	7	his opening report, which of course I didn't have
8	And that's the that's the construction	8	before I served my opening report, then I was more
9	that I have been applying in the context of the '033	9	explicit in reiterating what the court's order was
10	patent. So, yes, I'm aware of that. 12:53PM	10	and making it clear why I thought he was not 12:56PM
11	Q Let's go to Exhibit 2 real quick. And	11	being he was not conforming to those
12	then we can take a break. But I have a couple of	12	characteristics.
13	just final questions here.	13	But those characteristics are indeed
14	In Exhibit 2, you have a section called	14	embodied in my analysis in my opening report.
15	"Claim Construction" starting at Paragraph 112. 12:53PM	15	MR. HEFAZI: Okay. Let's take a break for 12:56PM
16	A All right. Let me go there.	16	lunch.
17	Yes, I see that.	17	THE VIDEOGRAPHER: We're off the record.
18	Q Does this section describe all of the	18	It's 12:56 p.m.
19	requirements of a playback queue under the court's	19	(Recess taken.)
20	construction? 12:53PM	20	THE VIDEOGRAPHER: We're back on the 1:33PM
21	A My opening report describes all the sections	21	
22	that the court has ordered construe or involve a	22	BY MR. HEFAZI:
23	playback queue. As to whether that particular section	23	Q Now, Dr. Schmidt, the court construed the
24	describes them all, I'm not sure.	24	term "playback queue" as a list of multimedia
25	But the body of the corpus, the entirety 12:54PM	25	content selected for playback; is that correct? 1:34PM
25	Page 142	25	Page 144
		١.	1.00
1	of my opening report does indeed address all four of 12:54PM	1	A That's correct, with some other 1:34PM
2	the playback queue characteristics that were ordered	2	characteristics that we were talking about earlier.
3	by the court.	3	Q Okay. And we'll get to those in a second.
4	Q Do you mention any of those four	4	But to start, you stated for purposes of
5	characteristics in your section on claim 12:54PM	5	the '033 patent that you will be interpreting the 1:34PM
6	construction here in the opening report?	6	court's construction as a list of one or more media
7	A Again, I don't recall whether I mentioned	7	1 7
8	them in that section. But they appear throughout the	8	A So I think I noted this in my opening
9	opening report.	l	report, but in my reply report I also mention that the
10	Q Did you say anywhere in the opening report 12:54PM	10	
		l	'033 patent claims don't recite the term "multimedia 1:34PM
11	that the term "playback queue" has an additional set	11	content" as the as opposed to the '615 patent
12	that the term "playback queue" has an additional set of characteristics?	11 12	content" as the as opposed to the '615 patent claims which did use the word "multimedia content."
12 13	that the term "playback queue" has an additional set of characteristics? A Again, as I describe the characteristics of	11 12 13	content" as the as opposed to the '615 patent claims which did use the word "multimedia content." So the '033 patent claims talk about a
12 13 14	that the term "playback queue" has an additional set of characteristics? A Again, as I describe the characteristics of a playback queue throughout my analysis in my opening	11 12 13 14	content" as the as opposed to the '615 patent claims which did use the word "multimedia content." So the '033 patent claims talk about a media item and, therefore, I interpreted the court's
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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	using machine shorthand which was thereafter transcribed under my direction; that the foregoing transcript is a true record of the testimony given.	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	Federal R&S Requested (FRCP 30(e)(1)(B)) – Locked .P. Transcript - The witness should review the transcript and make any necessary corrections on the errata pages include below, notating the page and line number of the correction. The witness should then sign and date the errata and penal of perjury pages and return the completed pages to all appearing counsel within the period of time determined at the deposition or provided by the Federal Rules. _x_ Federal R&S Not Requested - Reading & Signature was requested before the completion of the deposition.	ed is. ty
	Page 290	23	Pa	ge 292
1	NIMA HEFAZI, ESQ.	1	SONOS, INC. vs. GOOGLE LLC	
2	nimahefazi@quinnemanuel.com	2	DOUGLAS SCHMIDT (#5686109)	
3	February 4, 2023	3	ERRATASHEET	
4	RE: SONOS, INC. vs. GOOGLE LLC		PAGELINECHANGE	
5	February 2, 2023, DOUGLAS SCHMIDT, JOB NO. 5686109	5		_
6	The above-referenced transcript has been	6	REASON	
7	completed by Veritext Legal Solutions and		PAGELINECHANGE	
8	review of the transcript is being handled as follows:	8		_
9	Per CA State Code (CCP 2025.520 (a)-(e)) – Contact Veritext	9	REASON	
10	to schedule a time to review the original transcript at	10	PAGELINECHANGE	
11	a Veritext office.	11		_
12	Per CA State Code (CCP 2025.520 (a)-(e)) – Locked .PDF	12	REASON	
13	Transcript - The witness should review the transcript and	13	PAGELINECHANGE	
14	make any necessary corrections on the errata pages included	14		_
15	below, notating the page and line number of the corrections.	15	REASON	
16	The witness should then sign and date the errata and penalty	16	PAGELINECHANGE	
17	of perjury pages and return the completed pages to all	17		_
18	appearing counsel within the period of time determined at	18	REASON	
19	the deposition or provided by the Code of Civil Procedure.	19	PAGELINECHANGE	
20	Waiving the CA Code of Civil Procedure per Stipulation of			
21	Counsel - Original transcript to be released for signature	21	REASON	
22	as determined at the deposition.	22		
23	Signature Waived – Reading & Signature was waived at the	23		.
24	time of the deposition.	24	WITNESS Date	
25	Page 291	25	Da	ge 293
			I a	50 411